Effects of Land Use Choices on Transportation Fuel Demand 2005 IEPR

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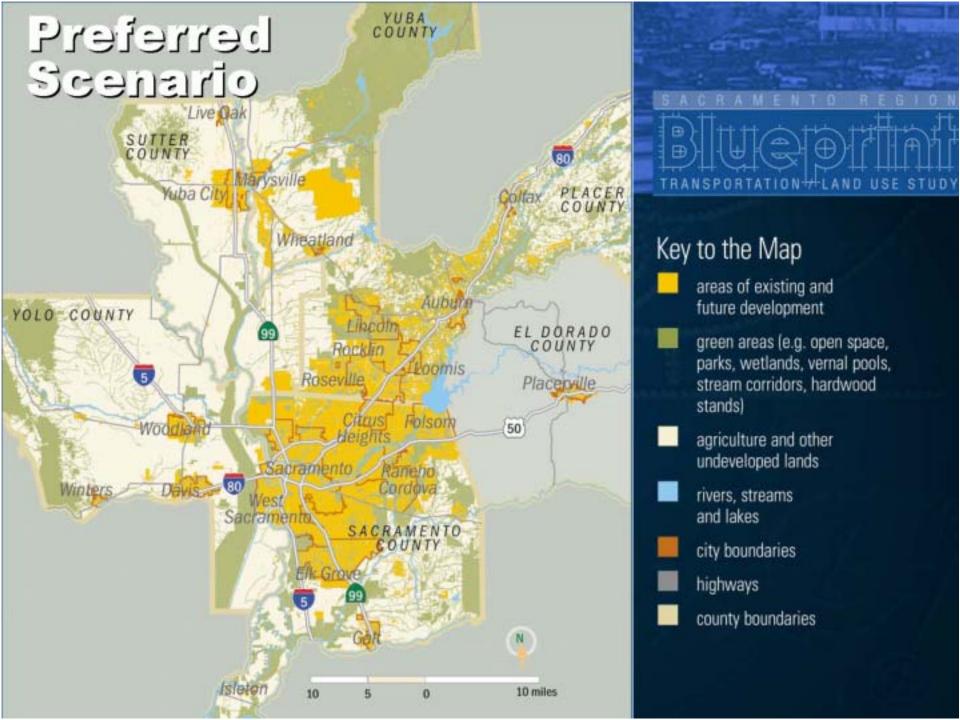


Role of Fuel Demand in Land Use Planning

- Currently no direct consideration of fuel demand in land use or transportation planning
- Land use choices determine the transportation system developed to provide mobility and set VMT and fuel demand for long-term
- New planning and modeling tools are integrating land use and transportation

I-PLACE3S

- Successes in Sacramento and San Luis Obispo indicate that local governments and citizens desire integrated planning
- Relatively simple models can provide fuel demand (and cost) data alongside other key planning parameters
- Decision makers will learn effect of land use and transportation options on fuel demand
- Result = More informed policy choices



Sacramento Findings

- Six-county, 2 year Blueprint Program
- Nearly 50 workshops and 3000 participants
- Adopted a plan that reduces VMT per day by 12.3 miles per household in 2050 (with 1.5 million more people In region)
- Fuel savings "estimate" 75x10⁶
 gallons per yr. / \$180 million per yr



Actions

- Work with MPOs and Caltrans to value fuel demand as decision factor in Transportation Plans
- Integrate air pollution, transportation and land use modeling at MPO level to get good fuel demand data
- Assist local governments to implement new planning tools – grants and technical assistance
- Establish statewide central deployment to ensure access by all